

ACCESSION NR: AP4013423

S/0057/64/034/002/0333/0335

AUTHOR: Adonina, A.I.; Shcherbak, V.V.

TITLE: Equivalent boundary conditions on a metallic grating at the boundary between two magnetodielectrics

SOURCE: Zhurnl.tekhn.fiz., v.34, no.2, 1964, 333-335

TOPIC TAGS: diffraction grating, magnetodielectric, equivalent boundary conditions, ring waveguide, helix waveguide

ABSTRACT: Equivalent boundary conditions for the complex amplitudes of the electromagnetic field on an infinite plane metallic grating at the boundary between two magnetodielectrics are derived from the solution of the corresponding diffraction problem (A.I.Adonina, V.V.Shcherbak, ZhTF, 34, 168, 1964). The equivalent boundary conditions are valid in the long wavelength limit and are obtained by eliminating the amplitudes of the incident wave from the expressions for the fields on the grating with the diffracted waves neglected. The conditions are

$$E_s = -i\pi \frac{1}{1 + \frac{1}{\mu}} \ln \frac{1+u}{2} \left\{ H_{z1} - H_{z2} - \frac{i}{k} \frac{1 + \frac{1}{\mu}}{1 + \epsilon} \frac{\partial}{\partial z} (E_{r1} - \epsilon E_{r2}) \right\}.$$

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$$H_{n1} - H_{n2} = -ix(1+\epsilon) \ln \frac{1-u}{2} \left\{ E_r + \frac{i}{k} \frac{1+\frac{1}{\mu}}{1+\epsilon} \frac{\partial}{\partial s} B_r \right\}$$

where the subscripts 1 and 2 refer to the two media, ϵ and μ are the ratios of the complex dielectric constant and magnetic permeability, respectively, in medium 1 to the corresponding quantities in medium 2, indices s, r, τ refer respectively to the direction of the grating slots, the direction normal to the grating, and the direction perpendicular to both s and r, κ is the ratio of the grating constant and the wavelength, and $u = \cos(\pi d/l)$, where l is the grating constant and d is the width of the slots. The equivalent boundary conditions are said to be applicable to the investigation of ring waveguides and helix waveguides in a manner indicated by N.N.Smirnov (ZhTF 28, No.7, 1958). Orig.art.has: 13 formulas.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im.A.M.Gorkogo (Kharkov State University)

SUBMITTED: 25Dec62

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: PH

NR REF SOV: 006

OTHER: 000

Card 2/2

40665-65 $\frac{E_{T(1)}}{E_{EC-4}} \frac{E_{EC(1)}}{FCS(k)} / T$ $\frac{P_{ac-4}}{P_1-4} \frac{P_j-4}{P_1-4}$ WR

POLARIZATION INDEX AND P-VALUE
E-polarized-wave reflection factor are supplied for calculating the filter.
Formulas and curves are offered for calculating a shielded grating which serves

numerical values, for the digital computer. It is proven that the diffracted field cannot be divided into E- and H-polarized waves. Orig. art. has: 5 figures and 17 formulas.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University)

me
Card 1/1

ACC NR: AP6002453

SOURCE CODE: UR/0057/65/035/012/2242/2244

AUTHOR: Adonina, A.I.

ORG: Khar'kov State University im. A.M. Gor'kiy (Khar'kovskiy gosudarstvennyy universitet)

TITLE: On the grazing condition for ^{21, 44, 55}diffracted waves from plane gratings

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 12, 1965, 2242-2244

TOPIC TAGS: electromagnetic wave diffraction, diffraction grating, microwave, ~~wave length measurement~~

ABSTRACT: As one gradually varies the wavelength or angle of incidence of plane wave incident on a plane grating the n-th order diffracted wave at some point ceases to be a freely propagating wave and becomes a damped surface wave on the grating. The condition for transition from a freely propagating wave to a damped surface wave is the "grazing condition" of the title. When the grazing condition is satisfied for any diffracted wave, the derivative of the transmission factor of the grating with respect to the wavelength (or to the angle of incidence) is discontinuous; this is illustrated by transmission curves calculated with the "rigorous" theory of the author and V.P. Shestopalov (ZhTF, 33, 641, 1963). These discontinuities make it possible to recognize when the grazing condition is satisfied. It is proposed that the grazing condition be employed to measure wavelengths in the microwave region. Suitable equip-

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ACC NR: AP8002453

ment for the measurements is described elsewhere by the author and V.P. Shestopalov (Radiotekhnika i elektronika, 8, 950, 1963). Orig. art. has: 10 formulas and 2 figures.

SUB CODE: 20

SUBM DATE: 22Feb65

ORIG. REF: 002

OTH REF: 01

Card 2/2

L 21758-66 ENT(1) GG

ACC NR: AP6004899

SOURCE CODE: UR/0057/66/036/001/0194/0195

AUTHOR: Adonina, A.I.; Andrusenko, A.M.

ORG: Khar'kov State University im. A.M.Gor'kiy (Khar'kovskiy gosuniversitet)

TITLE: Determination of wavelength from the angle of incidence on a plane metallic grating at which the grazing condition is satisfied for the n-th order diffracted w

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 1, 1966, 194-195

TOPIC TAGS: electromagnetic wave diffraction, diffraction grating, microwave, wave-length measurement

ABSTRACT: In a recent paper (A.I.Adonina, ZhTF, 35, No. 12, 1965/ see Abstract 21,4 AP6002453/) one of the authors has shown that the angle of incidence of plane electri magnetic waves on a plane grating for which grazing condition is satisfied for one of the diffracted waves, can be identified by examining the curve giving the transmissi factor of the grating as a function of angle of incidence. In the present paper the are reported wavelength measurements by the grazing condition technique at wavelengt near 7.1, 8.35, and 8.5 mm. The waves were emitted by a horn antenna and were recei by a similar horn coaxial with it. Between the two antennas was a plane grating whi could be rotated about an axis perpendicular to the line joining the antennas to var the angle of incidence. When the angle of incidence for which the grazing condition was satisfied for some diffracted wave was identified by the methods discussed in th

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UDC: 621.3.083

L 21758-66

ACC NR: AP6004899

earlier paper, the order of the grazing diffracted wave was determined by rotating the receiving horn about the rotation axis of the grating and counting the number of maxima in the received signal. The wavelength was then calculated from the grazing condition. For control the wavelengths were also measured with a heterodyne frequency meter having an accuracy of 5×10^{-5} . The wavelengths measured by the grazing condition technique agreed with those measured with the frequency meter within 0.1%. The accuracy of the wavelength measurements^{0/0} could be improved by measuring the grating constant and the angle of incidence with greater accuracy. Orig. art. has: 3 formulas and 4 figures.

SUB CODE: 20/

SUBM DATE: 05Jul65/

ORIG REF: 002/

OTH REF: 00

Card 2/2

ULR

ADONKIN, F. S. Cand Med Sci -- (diss) "Role of higher sections of the central nervous system in processes of restoration of the morphological composition of blood after bloodletting." Khar'kov, 1986. 18 pp (Khar'kov State Med Inst), 200 copies (KL, 14-58, 116)

AL'PERN, D.Ye., prof.; ADONKIN, F.S.

Work of the Kharkov Province Section of Pathophysiologists during the
1958-59 academic year. Pat.fiziol. i eksp.terap. 3 no.6:89-90 N-D '59.
(MIRA 13:3)

1. Chlen-korrespondent AN USSR (for Al'pern).
(KHARKOV PROVINCE--PATHOPHYSIOLOGICAL SOCIETIES)

ADONKIN, I.S.

We are striving for a mine of communist labor. Ugol' 38 no.11:
6-7 N '63. (MIRA 17:9)

1. Glavnyy inzh. shakhtoupravleniya "Kholodnaya Balka" tresta
Makeyevugol'.

ADONTS, G. T.

Adonts, G. T. - "A method of calculation for complex irregular conditions
in electrical systems," Doklady (Akad. nauk Azerbaydzh.
SSR), 1949, No. 1, p. 13-17 — Summary in Azerbaydzhani
— Bibliog: 7 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

USSR/Electricity - Mathematics,
Applied

AUG 49

"Method of Calculating Complex Asymmetrical
Operation," G. T. Adonts, Cand Tech Sci, Power,
Eng Inst Imeni Yes'man, Acad Sci Azerbaijan
SSR, 6 pp

"Elektrichestvo" No 8

Suggests a method for calculating complex non-
symmetry which permits considering a particular
phase at the dislocation point with the aid of a
new operator α^{1n} . The operator α^{1n} , in
distinction to the usual operator α^1 , establishes
the relationship not only between the symmetrical
66/49129

USSR/Electricity - Mathematics, (Contd) AUG 49
Applied

components ($i=0;1;2$) of current and voltage for
the given phase; but also between the particular
phases ($k=0;1;2$) at the points where symmetry is
broken ($n=1;2;3,\dots$).

66/49129

621.315.09
618. Effects of complicated asymmetrical conditions of electric systems. G. T. ABOYTS, *Elektrichestvo*, No. 9, p. 21 (Sept., 1951) In Russian.

A further development of the method referred to in Abstr. 377 (1950). By transforming the equivalent circuit and the impedance matrix of a complicated asymmetrical case with an earth fault or an interruption at a point of phase A , equivalent circuits and matrices may be derived catering for a large number of cases of complicated asymmetry in a system with earthed or isolated neutral. These enable the number of independent currents and special phases of the asymmetry to be determined. The imposition of boundary conditions of the type $Z^k = \infty$ ($k = 1, 2, \dots$) on the equations of the types of asymmetry mentioned reduces the number of independent currents by k without reducing the number of special phases, whereas boundary conditions of the type $Z^k = 0$ ($k = 1, 2, \dots$) reduce the number of special phases without reducing the number of independent currents. Boundary conditions of the type $Z_i = 0$ ($i = 0, 1, 2$) do not reduce the number of special phases. In investigating dynamic stability of electric systems under complicated conditions of asymmetry on an a.c. network analyser the special phases may be represented by isolating transformers with transformation ratios $1 : a^2$; $1 : a^3$ or by special phase-shifting devices in the equivalent circuits.

B. F. KRAUS

USSR/Electricity - Induction Motors May 52

"Investigation of Conditions for Self-Starting and Automatic Repeated Starting of Induction Motors Under Load," Cand Tech Sci G. T. Adonts, Power Eng Inst iment Yes'man, Acad Sci Azerbaydzhan SSR

"Elektrichestvo" No 5, pp 31-40

Presents results of theoretical and exptl research on conditions for self-starting on induction motors with variable parameters. Proposes method of automatic repeated starting (ARP) of these motors under load with time delay as means

240746

of increasing stability of power system's load concn points under different emergency operating conditions. Submitted 5 Nov 51.

240746

1. ADONTIS, G.T.: ALESKEROV, S.A.: POPOV, A.N.: BABAYEV, M.A.
2. USSR (600)
4. Electric Networks
7. Experimental data on the study of the resistance of the load-carrying unit of a power system. Energ. biul. No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified

ADONTS, G. T. Cand. Tech. Sci.

"Self-Starting and Automatic Restarting of Compressor Stations
Equipped With Synchronous Motors," a report delivered at the plenary
session of the All-Union Conference of the Azerbaydzhan Branch of the All-Union
Scientific and Technical Society of Petroleum Engineers and the All-Union
Society of Power Engineers, Baku, 1954
Vest. Ak. Nauk SSSR, December 1954.

ADONTS, G.T.

Classification of symmetrical, non-symmetrical and complex non-symmetrical connections in three-phase systems. Dokl. AN Azerb. SSR 10 no.4:251-256 '54. (MIRA 8:4)

1. Energeticheskiy institut im. I.G.Yes'mana Akademii nauk Azerbaydzhanskoy SSR. Predstavleno deystvitel'nym chlenom Akademii nauk Azerbaydzhanskoy SSR I.G.Yes'manom.

(Commutation(Electricity)) (Electric power distribution--
Multiphase)

ADONIS, G. T.

"Complex Asymmetrical Cycles of Electrical Systems. (Theory and Method of Computation)." Dr Tech Sci, Power Engineering Inst imeni I. G. Yes'man, Acad Sci Azerbaydzhan SSR, Baku, 1955. (KL, No 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

ADONIS, G.T.

Structure of complex substitution schemes and equations for calculating complicated unsymmetrical electric circuits. Izv. AN Azerb. SSR no. 2:21-42 F'55. (MLRA 8:11)

(Electric circuits)

ADONTS, G.T.

Calculating parameters for quadri-poles and shift angles between
voltage vectors on their connectors. Izv.AN Arm.SSR. Ser.tekh.nauk
10 no.6:33-42 '57. (MIRA 11:2)

1.Laboratoriya elektrotekhniki AN ArmSSR.
(Electric circuits)

SOV/143-539-1/18

AUTHOR: Adonts, G.T., Doctor of Technical Sciences, Professor

TITLE: Differential Equations for an Open Polysynchronous Machine in Various Coordinate Systems (Differentsial'nye uravneniya yavnopolyusnoy sinkhronnoy mashiny v razlichnykh sistemakh koordinat)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Energetika, 1958, Nr 9, pp 1-17 (USSR)

ABSTRACT: The paper examines the general theory for obtaining interlinkage and voltage equations for open polysynchronous machines in various coordinate systems. It is more convenient to inscribe the equations in coordinates other than the usual Odq ones, especially when investigating individual, special working regimes of the machines. First the paper gives the basic propositions for generalizing the methods of equation conversion to overcome these shortcomings. Formulae are worked out for interlinkage and differential equations for voltage balance in the system of phase coordinates - $\lambda = A, B, C$. The power (P) of 3 stator

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SOV/143-58-9-1/18

Differential Equations for an Open Polysynchronous Machine in Various Coordinate Systems

windings thus appears in the following form:

$$P = \sum_{\lambda=0}^2 e^{\lambda} i^{\lambda}$$

where $\lambda = 0, 1, 2$ is the numerical index of the phase (stator) coils, corresponding to phases A, C, B (Fig 1a). Then equations are given for interlinkage, voltage and power in non-dimensional relative units, plus the differential equations for a machine in the coordinate system: Odq (x,y,z). The paper also carries equations in the coordinate system Odq where $\gamma = \text{const} = N$ (γ - angle between the stator's A phase axis and the longitudinal rotating axis of the rotor) (d), and the differential equations for a machine in the coordinate system oab. There are 5 circuit diagrams, 3 tables, and 7 references, 6 of which are Soviet and 1 English.

ASSOCIATION: Yerevanskiy politekhnicheskiy institut imeni Karla Marksa (Yerevan Polytechnic Institute, imeni Karl Marx)

Card 2/3

SOV/148-58-9-1/18

Differential Equations for an Open Polysynchronous Machine in
Various Coordinate Systems

SUBMITTED: May 8, 1958

Card 3/3

ADOMTS, G.T., doktor tekhn.nauk

Winner of the P.N.Labochkov prize - Professor G.I.Atabekov.
Izv.Ak. Arm.SSR.Ser.tekh.nauk. 12 no.1:63-64 '59.

(MIRA 12:4)
(Atabekov, Grigori Iosifovich, 1908-)

ADONTS, G.T.; AYRAPETYAN, G.A.; AKOPDZHANYAN, G.D.; GAMBURYAN, K.A.

Investigation of the stability of the Transcaucasian Electric Power System in conjunction with the introduction of Mingeaur-Atarbekyan intersystem electric power transmission. Izv. AN Arm.SSR.Ser.tekh. nauk 13 no.6:19-38 '60.
(MIRA 14:3)

1. Institut elektrotekhniki AN Armyanskoy SSR.
(Transcaucasia--Interconnected electric utility systems)

ADONTS, G.T.; GRIGOR'YAN, Yu.G.; ADONTS, M.M.

Algorithm, program, and an example for computing on discrete-action calculating machines the fuel economy regime of a power system involving the state selection of generating units. Izv. AN Arm. SSR. Ser. tekhn. nauk 14 no.3:13-26 '61. (MIRA 14:8)

1. Institut elektrotekhniki AN Armyanskoy SSR.
(Electric power plants--Fuel consumption)
(Calculating machines)

ADONTS, G.T.; AKOPDZHANYAN, G.D.; GAMBURYAN, K.A.; MARTIROSYAN, M.A.

Model of a.c. electric networks developed by the Academy of
Sciences of the Armenian S.S.R. Izv. AN Arm. SSR Ser. tekhn.
nauk 14 no.6:3-14 '61. (MIRA 16:8)

1. Institut energetiki AN Armyanskoy SSR.

ADONTS, G.T.

Development of electrotechnical science in Soviet Armenia.
Iz ist.est.i tekhn. 2:94 '62. (MIRA 18:4)

ADONTS, G.T., doktor tekhn.nauk, prof.

Methods for calculating power losses in the networks of electric power systems. Elektrichestvo no.11:32-36 N '62. (MIRA 15:11)

1. Institut energetiki AN Armyanskoy SSR.
(Electric power distribution)

ABONIS, G.T., doktor tekhn.rank, prof. (Yerevan); MATHEVANYAN, I.A., kand.tekhn.
rank (Yerevan); AKOPYAN, S.G., inzh. (Yerevan)

Selection of a structural circuit for modeling the equations of
a synchronous generator using an analog computer. Elektrichestvo
no.11:19-21 N '64. (MIRA 18:7)

ADONTS, G.T.

Theory and methods for calculating a multiterminal network.

Izv. AN Arm. SSR. Ser. tekhn. nauk. 17 no.5:3-8 '64. (MIRA 18:4)

1. Armyanskiy nauchno-issledovatel'skiy institut elektroenergetiki

ADONTS, Grant Tigranovich; ATABEKOV, G.I., prof., retsenzent;
MEL'NIKOV, N.A., prof., retsenzent; SAAKOV, V.I.,
kand. tekhn. nauk otv. red.

[Multiterminal networks; theory and methods for their
design] Mnogopoliusnik; teoriia i metody rascheta.
Erevan, Izd-vo AN Armianskoi SSR, 1965. 466 p.
(MIRA 18:7)

ADONTS, G.T.

Contribution to the theory and design of a multiterminal
network. Izv. AN Arm. SSR. Ser. tekhn. nauk 17 no.6:3-16 '64.
(MIRA 18:3)

1. ArmNIE.

ADONTS, G.T.

Theory and methods for calculating a multiterminal network. Izv. AN
Arm. SSR. Ser. tekhn. nauk 18 no.1:13-18 '65. (MIRA 18:7)

ADONT'S, G.T., doktor tekhn. nauk (Yerevan); SETEVOSYAN, P.A., kand. tekhn.
nauk (Yerevan); AKOPYAN, S.G., inzh. (Yerevan)

Effect of the resistance and transient processes in the stator
winding on changes in the rotor angle of a synchronous machine.
Elektrichestvo no.1:58-62 Ja 1965. (MIRA 18:7)

L 10258-67

ACC NR: AP7003082

SOURCE CODE: UR/0173/66/019/004/0003/0

AUTHOR: Adonts, G. T.

ORG: Armenian NII of Power Engineering (Armyanskiy NII energetiki)

TITLE: Problems in the mathematical simulation of power systems

SOURCE: AN ArmSSR. Izvestiya. Seriya tekhnicheskikh nauk, v. 19, no. 4, 1966, 3-12

TOPIC TAGS: hydroelectric power plant, thermoelectric power plant, analog computer, digital computer

ABSTRACT: The general problem of the optimization of conditions for hydro-thermal power-systems has not yet been solved and is still under development. However, solutions exist to a number of particular cases of this problem, including: 1) the optimization of conditions for a thermal power system; 2) the minimization of active and reactive power loss in the lines of power systems (algorithms have been developed at the Armenian NIIIE [Nauchno-issledovatel'skiy institut energetiki; Scientific Research Institute of Power Engineering] for the solution of this problem); 3) the optimization of conditions for a hydrothermal power system (an algorithm is now under development at the Armenian NIIIE for the optimum conditions for the Volgograd power system).

The most effective method of solving the problem of the optimization of a hydrothermal power system is the gradient method or the method of steepest descent. Particular cases of the problem can be solved on existing series digital computers. The Armenian NIIIE has developed a special-purpose analog computer designed for the approximate solution of equations for the

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ACC NR: AP7003082

optimization of power systems with not more than 16 equivalent stations, particularly for the optimization of conditions for the Volgograd power system.

The Armenian NIIE has had great success in creating an original analog model of a power system operating under automated conditions. The Committee for Inventions and Discoveries attached to the USSR Council of Ministers has granted inventor's certificates to the Institute for its analog computers for optimization of conditions and its mathematical simulation of power systems. The Institute has used its mathematical model for a number of investigations of conditions in the Armenian, Transcaucasian, and Chita power systems. The article lists some of these investigations, as well as some of the algorithms and programs developed at the Institute for determining various power system conditions by means of digital computers.

The article is a paper which was presented 16 March 1966, at a general meeting of the Armenian Academy of Sciences. Orig. art. has: 5 formulas.
[JPRS: 39,040]

SUB CODE: 10, 09 / SJEM DATE: 16Apr66 / ORIG REF: 008

Cord 2/2 ⁴⁰

ADONTS, Musheg Ambartsumovich.

[Economic development of Eastern Armenia in the 19th century]
Ekonomicheskoye razvitiye Vostochnoy Armenii v XIX veke.
Erevan, Izd-vo Akademii nauk Armyanskoy SSR, 1957. 559 p.
(MIRA 11:1)

1. Akademiya nauk Armyanskoy SSR. Institut ekonomiki.
(Armenia--Economic conditions)

ADONTIS, Musheg Ambartsumovich

[National income of a socialist society] [Natsional'nyi
dokhod sotsialisticheskogo obshchestva. Erevan, Armian.gos.
izd-vo] 1963. 290 p. [In Armenian] (MIRA 17:4)

ADONTS, G.T.; GRIGOR'YAN, Yu.G.; ADONTS, M.M.

Algorithm, program, and an example for computing on discrete-action calculating machines the fuel economy regime of a power system involving the state selection of generating units. Izv. An Arm. SSR. Ser. tekhn. nauk 14 no.3:13-26 '61. (MIRA 14:8)

1. Institut elektrotekhniki AN Armyanskoy SSR.
(Electric power plants--Fuel consumption)
(Calculating machines)

ADONTS, M. T.

On One Class of Nonlinear Integrodifferential Equations

Dokl. AN Azerb. SSR, Vol 10, No 3, 1954, pp 167-174 (Azerbaijani resume)

The author generalizes results obtained by N. N. Nazarov (Tr. In-ta matem. i mekhan. AN Uz. SSR, No 4, 1948, pp 59-65, 75-76) to include integrodifferential equations in which n -th derivatives appear. Two theorems are formulated in support of the author's method. The abstractor, Yu. K. Lando, states that one of them is incorrect, considerably lessening the value of the article. (RZhMat, No 5, 1955)

SO: Sum. No. 639, 2 Sep 55

Arshin, A. I.

Arshin, A. I. - "Investigation of the decision problem in a single class of integral-differential equations." Baku, 1955. (In Higher Education U.S.S.R. Azerbaijan State University S. M. Kirov. (dis. for degree of Candidate of Physico-mathematical Sciences.)

Sc: Knichayev, I. I., No 46. 20 November 1955. Moscow.

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CIA-RDP86-00513R000100330003-1

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000100330003-1"

ARON'YEV, I.

Inspection is assistance, or rather, it is a... (MIRA 18.1)

1. Slavyay innu. Iteyney n... i predsestati' gruppy sodeystviya putnyo-gosudarstvennomu kontrolyu Arkhangel'skogo kraia.

ADON'YEVA, N. V.

Catalytic oxidation of hydrogen sulfide to sulfur dioxide in purifying natural gas. A. V. Avdeeva, N. V. Adon'eva, and R. M. Bukhareva. *Khim. Prom.* 1946, No. 11, 17-18. Oxidation of H_2S to SO_2 was studied with and without catalysts. The following were studied: an empty tube, a tube packed with pumice, and pumice on which were deposited Ni, Ni-Pb, Ni-Bi, Ni-Ag, Ni-Mo, Ni-Al, Ni-Pb-Al, Ni-Bi-Al, Ni-Pb-Bi, etc. The compn. of the gas used in these expts. was $N 94.7$, $O 2.8$, $Si 2.5$, and $H_2S 0.2-0.75\%$. The vol. velocities at which the gas was passed through the reactor were 1700-10,000. The temps. were 200-350°. At low velocities there was no difference in the results between an empty reactor and one packed with pumice. As the velocity of the gas increased the effectiveness of the empty reactor dropped faster than that of the one packed with pumice. Of the catalysts tested the most effective was Ni-Al. At 250-300° and velocities up to 7500 the oxidation of H_2S with this catalyst was complete. Other catalysts required higher temps. for equal results. M. Hosh

ASS-SLA DETALLURGICAL LITERATURE CLASSIFICATION

GOLYAND, S.M.; ADON'YEVA, N.V.

Determination of cyanogen in coke-oven gas. Zav. lab. 24 no.5:541-
542 '58. (MIRA 11:6)

1. Nauchno-issledovatel'skiy institut po promyshlennoy i sanitarnoy
ochistke gazov i Moskovskiy kokso-gazovyy zavod.
(Cyanogen--Analysis) (Coke-oven gas--Analysis)

SZABO, Pal Zoltan; JONAS, Klara, dr.; VARADI, Gyorgy; BIRO, Antal;
UPOR, Endre; RADO, Aladar; CZIRJAK, Imre; KOVACS, Jeno;
VALKO, Endre, dr.; ADONYI, Ivan; FODOR, Gyorgy; OSZETZKY,
Egon; KALMAR, Pal; DANYI, Dezső; GYORGY, Karoly; OVARI, Antal;
PHILIP, Miklos; BAKAI, Laszlo; JOO, Oszkarne; SZITAS, Lajos;
HELLENYI, Miksa; KOLTA, Janos.

Formation of an uniform country organization for the Federa-
tion of Technical and Scientific Associations. Pecsí musz
szemle 8 no. 4: 19-23 O-D'63.

1. "Pecsi Muszaki Szemle" foszerkesztoje (for Fodor).
2. "Pecsi Muszaki Szemle" szerkesztoje (for Hellenyi, Kolta
and Oszetzky).

ADONYI, Z. BALAZS, Gy.; KULJAN, J.

Chemical processes for building materials with a cement and lime bond and stabilize with steam. p. 374.

EPIDANYAG, Vol. 7, No. 10, Oct. 1955

(Építőanyagipari Tudományos Egyesület és a Nehézipari Kutató Intézet Szilikat Osztálya) Budapest.

SOURCE: East European Accessions list Vol. 5, No. 1 September, 1956

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HUNGARY / Chemical Technology. Chemical Products and H-4
Their Application. Corrosion. Corrosion
Control.

Abs Jour: Ref Zhur-Khisiya, No 23, 1958, 78055.

Author : Adonyi, Zoltan; Szobenyi, Laro.

Inst : Not given.

Title : Concerning the Corrosion of a Tank of Reinforced
Concrete for Storage of Phenol Sulfonic Acids.

Orig Pub: Epitoanyag, 1958, 10, No 1-2, 54-55.

Abstract: No abstract.

Card 1/1

.HUNGARY / Chemical Technology. Chemical Products and H-13
Their Application. Ceramics. Glass. Bind-
ing Materials. Concrete.

Abstr Jour: Ref Zhur-Khimiya, No 1, 1959, 2162.

Author : ~~Adonyi, Z.~~, Gartner, L.

Inst : Not given.

Title : Comments on the Vibration of Reinforced Con-
crete.

Orig Pub: Epitoanyag, 1958, 10, No 1-2, 56.

Abstract: During the construction of a traffic bridge,
concrete was poured in two layers for rein-
forced H-beams: the lower beam with $V/T_s = 0.4$,
and the upper one with $V/T_s = 0.38$. The strengths
of the upper part of the lower layer, particular-
ly in the region adjacent to the upper layer,
proved to be insufficient. It occurred because

Card 1/2

. HUNGARY / Chemical Technology. Chemical Products and H-13
Their Application. Ceramics. Glass. Binding Materials. Concrete.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2162.

Abstract: at a given concrete consistency and at intensive vibration the clayish part of sand which is used as a fine filler and its finer parts, are accumulated at the border layer. In the same region the finest concrete fractions are accumulated and succeeded in becoming hydrated during storage, thus also reducing the strengths of the concrete. To eliminate that harmful phenomenon, an increase in V/T_s is imperative, a change in laying concrete is necessary as well as the use of sand having a smaller amount of clayish particles. -- D. Pyushpeki.

Card 2/2

ADONYI, Zoltan; PALLAI, Ivonne, dr.

Investigations for the utilization of gypsum-anhydrite found
in Perkupa. Epitoanyag 14 no.6:221-228 Je '62.

ADONYI, Zoltan; NEMETH, Jeno, dr.; PALLAI IVANNE RAAB, Edit, dr.

Investigations for the utilization of the Perkupa gypsum-anhydrite.II. Epitoanyag 14, no.7:268-271 J1 '62.

ADONYI, Zoltan

Informative investigations for preparing binding materials from
anhydrite of Perkupa. Epitoanyag 74 no.8:292-295 Ag '62.

ADONYI, Zoltan; NEMETH, Jeno; PALLAI, Ivanne; RAAB, Edit

Experiments for manufacturing plaster from the Perkupa gypsum
in fluidized layer. Magy kem lap 18 no.2/3:66-71 F-Mr '63.

1. Budapesti Muszaki Egyetem Kemiai Technologiai Tanszek (for
Adonyi). 2. Muszaki Kemiai Kutato Intezet, Budapest (for Nemeth,
Pallai, Raab).

LOVI, M.

LOVI, M.; ADOR, V.; GABOR, M.

Effect of rutin on healing of experimental corneal ulcers. Acta
med. hung. 6 no.3-4:391-396 1954.

1. Augenklinik und Pharmakologisches Institut der Medizinischen
Universitat, Szeged.

(CORNEA, ulcers

eff. of rutin in rabbits)

(ULCERS

cornea, eff. of rutin in rabbits)

LOVI, Marta,; ADOR, Viktoria,; GABOR, Miklos.

Effect of rutin on experimental corneal ulcer. Kiserletes orvostud. 7
no.2:117-120 Mar 55.

1. Szegedi Orvostudományi Egyetem Szemklinikája és Gyógyszertani
Intézete.

(VITAMIN P, effects,
on exper. corneal ulcer)
(CORNEA, ulcers,
exper., eff. of vitamin P)
(ULCER, experimental,
cornea, eff. of vitamin P)

ADORATSKIY, V. V.

"Utilization of Waste Heat from Industrial Enterprises for Vegetable Gardening
in Enclosed Ground," Prom. Energet., No. 11, 1949.

(Trust of the Hothouse and Seedbed Combines of the Ministry of Trade, USSR.)

RUMANIA / Human and Animal Physiology. Blood. Blood T
Transfusions and Blood Substitutes.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101804.

Author : Hadnagy, Cs.; Szabo, St.; Bartel, Gh., Adorjan,
E.; Kinda, C.; Rott, L.

Inst : Not given.

Title : Blood Picture in Hemolytic Shock.

Orig Pub: Fiziol. norm. si patol., 1956, 3, No 4, 441-445.

Abstract: Suspensions of human erythrocytes (E) of the group AB were introduced to rabbits and dogs. After 15 min., shock developed, during which the indices of thrombocytes, leucocytes, absolute number of eosinophiles, relative number (by 10-12%) of segmented granulocytes, and ESR decreased, and relative lymphocytosis developed.

Card: 1/1

HADNAGY, Csaba; DEZSI, Zoltan ; ADORJAN, Etelka

Experimental studies on the antibody content of lymphocytes.
Kiserletes orvostud. 8 no.4:343-345 July 56.

1. Marosvasarhelyi Vertarolo es Veratomleszto kozpont es
Elettani Intezet.

(LYMPHOCYTES

antibody transport, eff. of lymphocyte disintegration
on titer (Hun))

(ANTIGENS AND ANTIBODIES

antibody transport in lymphocytes, eff. of lymphocyte
disintegration on titer (Hun))

DANIELLO, L.; SZABO, I.; MODY, E.; GELEPU, E.; SZEKELY, I.; ADORJAN, E.;
ERDELY, A.

Complex dysproteinemia tests in silicosis. Rumanian M Rev. no.1:
129-131 Ja-Mr '61.

1. The Clinic of Phthisiology, Cluj (Prof. L. Daniello) and the Chair
of Physiology, Tg. Mures (Assist. Prof. I Szavo).
(SILICOSIS blood) (BLOOD PROTEINS chemistry)

ADORJANI, Ferenc, dr.; BELA, Maria, dr.

Deafness and psychosis. Ideggyogy. szemle 15 no.12:362-366 D '62.

1. Az Orszagos Ideg- es Elmegyogyintezet (Igazgato-foorvos: Maria
Bela dr.) III/B. noi elmeosztalyanak kozlemenye.
(DEAFNESS) (PSYCHOSES, MANIC-DEPRESSIVE) (PARANOIA)

ADORJAN, Gy.

"The manufacture of boring equipment in Hungary." p. 192. (BANYASZATI LEFOLY,
Vol. 8, no. 4, Apr. 1953. Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

V 1238* The Manufacture of Carbide Drill Bits in Hungary
Development of a New Branch of Industry. Keményszerelői
HG főosztály: hazai gyártás. Egy új iparág kifejlődése. (Hungarian.)
Gépgyártás. Bányászati lapok, v. 10, no. 10, Oct. 1955, p. 542-543.
Investigates material and production methods, pilot-plant production and experiences of large-scale manufacture. Diagrams, table, graph, photographs.

1. New types of being...
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ADORJAN, Istvan, dr.

Compression arthrodesis of the knee. *Magy. sebeszet* 7 no.1:
28-35 Feb 54.

1. A Budapesti Orvostudományi Egyetem Orthopaediai Klinikájának
közleménye Mb. vezető: Glauber dr. egyet. adjunctus.

(KNEE, surg.

arthrodesis by compression, technic)

ADORJAN, Istvan, dr.; GYORGYI, Geza, dr.; RONA, Gyorgy, dr.

Osteopetrosis. Magy. radiol. 8 no.1:33-38 Feb 56.

1. A Budapesti Orvostudományi Egyetem Orthopaediai Klinikájának
(meg. igazgató: Glauber, Andor dr. egyetemi docens) és I.
Korbonctani és Kísérleti Rákkutató Intézetének (igazgató:
Balo Hozsef dr. egyetemi tanár) közleménye.

(OSTEOSCLEROSIS

osteopetrosis, familial incidence, x-ray manifest.
& pathol. (Hun))

ADORJAN, J.; PERNYE, E.

"Experiences and suggestions concerning mechanical equipment in day nurseries and kindergartens." p. 97.

EPULETGEPESZET. (Epitoipari Tudományos Egyesület). Budapest, Hungary, Vol. 8, No. 3, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

James Earl Ray, Jr. (1928-1998) was an American writer, actor, and musician.

ADONJANI, Csaba; GALFI, Bela, dr., foorvos; SCHENKER, Laszlo

Objective testing of the effect of drugs by means of psychological methods. Magyar pszichol szemle 21 no.2:242-248 '64.

1. Institute of Work Therapy, Ministry of Health, Budapest.
2. Director, Institute of Work Therapy, Ministry of Health, Budapest (for Galfi).

ADORJANI, Csaba; PUSKAS, Imre, dr.

The re-socializing effect of the theater in mental patients according to 2 observations. Ideggyogy. szemle 15 no.5:129-133 My '62.

1. Egészségügyi Minisztérium Munkatherapias Intézete (igazgató főorvos: Galfi Béla dr.) közleménye.

(MENTAL DISORDERS ther) (ART)

ADORJANI, Csaba; PUSKAS, Imre, dr.

Special group therapy. Magy pszichol szemle 18 no.2:219-220
'61.

HUNGARY/SOVIET UNION

MESHESKIY, R. M., and MALIKOVA, A. K., Institute of Higher Nervous Activity and Neurophysiology at the Soviet Academy of Sciences (Institut Vysshei Nervnoi Deyatelnosti i Neirofiziologii, AN SSSR) in Moscow, USSR; and ADORJANI, Csaba, Institute of Psychology at the Hungarian Academy of Sciences (Magyar Tudomanyos Akademia Pszichologiai Intezete) in Budapest.

"Cortico-fugal Regulation of Latent Periods of Bioelectrical Responses to Photic Stimulation in the Rabbit Visual Cortex"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol 29, No 3-4, 8 Jun 1966, pp 235-246.

Abstract: [English article] The authors attempted to elucidate the change in amplitude of responses of the lateral geniculate nucleus attributable to excitatory and inhibitory cortico-fugal effects by studying the latencies of evoked potentials in different states of the visual cortex, such as strychninization or depression. The findings, presented and discussed in some detail, supported the assumptions published by other authors in this regard. 18 references, including 10 Russian, 1 Czechoslovak, 1 German, and 6 Western. (Manuscript received 2 Jun 1965).

1/1

HUNGARY

ALONIANI, Ferenc, Dr, MAREK, Bela, Dr; State Neurological and Psychiatric Institute, III/B women psychiatric ward (Orszagos Ideg-es Elmegyogy-Intezet, III/B noi elmeoszalya) medical director (igazgato-focirves) MAREK, Bela, Dr.

"Deafness and Psychosis."

Budapest, Idegygyogyaszati Szemle, Vol XV, No 12, Dec 62, pages 362-366.
Hungarian

Abstract: [Authors' summary] Twelve patients were selected for study whose deafness existed before psychotic manifestations were present. 10 patients showed paranoid characteristics, 2 were found to have depression syndrome. The majority of the paranoid psychosis cases were explained by the self-isolation due to the deafness and the long-lasting affect stress leading to the psychosis in individuals who showed hypoparanoic personalities before the deafness. The important role of psychotherapy is stressed in the treatment.
[5 Western, 2 Soviet-Bloc references]

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AFRANOVA, B. N.

"Methods of Increasing the Production of Polyethylene from Kourat Area."

report presented at the Conference on Beneficiation of Isotopic Minerals, sponsored by the Learned Council of the IUD, 45 USSR, Makhach/Karabakh, 29 Nov - 1 Dec 1961

SIDYAKOV, P.V., kandidat tekhnicheskikh nauk; ADOROVA, M.N., inzhener.

Hermetic sealing of aspirators. TSement 22 no.4:14-16 J1-Ag '56.
(MLRA 9:10)

(Cement industries) (Aspirators)

ADOROVICH, E.I.

Quantum mechanics and the resonance theory. Dokl. AN SSSR 95 no.4:
825-828 Ap '54. (MLRA 7:3)

1. Fizicheskiy institut im. P.N.Lebedeva Akademii nauk SSSR.
(Resonance) (Quantum theory)

SABO, I.; ADOR'YAN, S.; KHADNOD', Ch.; KIFOR, I.; MODI, I.

Effect of tuberculostatic substances on some functions of
the liver. Pat. fiziol. i eksp. terap. 9 no.1:73 Ja-F '65.
(MIRA 18:11)

1. Kafedra fiziologii i II terapevticheskaya klinika Mediko-
farmatsevticheskogo instituta, Tyrgu-Muresh, Rumyniya.

ADOV, Ye.; NIKOLAYEV, A.

For removing obstacles and discrimination. Vnesh. torg. 43
no.8:16-21 '63. (MIRA 16:8)
(United Nations--Commissions) (Commerce)

ADOV, Ye.

Australian foreign trade at its present stage. Vnesh. torg.
43 no.10:19-22 '63. (MIRA 16:11)

ADONYAN, A. G.

USSR/Electricity - Machines, Electric
Fire Extinguishers

May 50

"Automatic Water Spray Fire Extinguishing on Elec-
tric Machines," A. G. Adoyan, Engr, 3 pp

"Elek Stants" No 5

Describes own system. Water is supplied from ring-
shaped main which encircles machine through 12
nozzles disposed equidistantly around circumference.
System can be controlled either by protection coil
in switchgear or by special photoelectric or thermo-
electric fire alarm relay.

161T25

ADOYAN, A.G.; KARASEVA, N.D.

Study of short-circuit currents in small low-voltage electric systems. Izv.AN Arm.SSR.Ser.FMET nauk 4 no.6:499-502 '51.

(MLRA 9:8)

1. Laboratoriya elektrotekhniki Akademii nauk Armyanskoy SSR.
(Short circuits)

ADOYAN, A.G., kandidat tekhnicheskikh nauk.

The KhTZ-15 electric tractor unit. Elektrichestvo no.4:76-79 Ap '56.
(MLRA 9:7)

1. Energeticheskiy institut imeni Krzhizhanevskogo AN SSSR.
(Electricity in agriculture) (Tractors)

Adoyan A. B.

Abstracts and SSCI. Biographically included in O.K. Krut'nikov's Problem category: Normal postgraduate student O.K. Krut'nikov (Problem of Power Engineering). Collection of Articles Dedicated to Ac- celeration O.K. Krut'nikov's. Moscow, 1979. 851 p. Extra slip inserted. 2,000 copies printed.	
Ms. of Publishing House: B.D. Arutunian, P.Y. Dobrov, P.I. Dobrov, and A.M. Kuznetsov. Tech. Sci. Series. Moscow, 1979. 100 p. 1000 copies printed. (Dedicated to O.K. Krut'nikov). V.I. Dobrov (Moscow), Academy of Sciences USSR. V.I. Dobrov, A.S. Prokhorov, V.I. Dobrov, K.F. Chumakov, B.B. Bogdanov, Candidate of Technical Science, B.K. Galov, Candidate of Technical Science, K.M. Ishakov, Candidate of Technical Science, and I.M. Smolov.	
FOREWORD: This collection of articles is intended as a tribute to the memory of Academician O.K. Krut'nikov.	
CONTENTS: The collection contains sixty articles by former students and colleagues of Academician O.K. Krut'nikov. The articles deal with problems of a wide range of subjects: the theory of power engineering; problems of the national development of electrical and thermal power engineering; power engineering technology and the physics of combustion. No specialities are mentioned. References are given at the end of each article.	
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PHASE I BOOK EXPLOITATION 307/5186

Akademiya nauk SSSR. Tsentral'naya nauchno-issledovatel'skaya laboratoriya elektricheskoy obrabotki materialov

Problemy elektricheskoy obrabotki materialov (Problems of the Electrical Machining of Materials) Moscow, Izd-vo AN SSSR, 1960. 247 p. Kratka slip inserted. 4,200 copies printed. (Series: Its: Trudy)

Sponsoring Agency: Akademiya nauk SSSR. Resp. Ed.: B. R. Lazarenko; Ed. of Publishing House: M. L. Podgoyetskiy; Tech. Ed.: S. P. Golub.

PURPOSE: This collection of articles is intended for scientists and technicians concerned with the investigation of new ways of applying electrical energy.

COVERAGE: The book contains articles on studies carried out by the staff of the Tsentral'naya nauchno-issledovatel'skaya

Problems of the Electrical (Cont.) 307/5186

laboratoriya elektricheskoy obrabotki materialov Akademii nauk SSSR (TsNII-ELEKTROM AN SSSR) (Central Scientific Research Laboratory for the Electrical Machining of Materials of the AS USSR) in searching for new applications of electrical energy. The results of these studies include: the dimensional machining of dielectrics and the utilization of electric pulsed discharges in processes occurring on electrodes and in the interelectrode space during short pulsed reactions, new information on technological processes in metal machining by electric current pulses. Much attention is paid to the electrical machining and arc welding of metals. No personalities are mentioned. References accompany most of the articles.

Lazarenko, B. R., and M. I. Lazarenko. Unused Possibilities for Electrical Energy 5

Pechuro, M. S., A. M. Merkur'yev, E. Ya. Grodzinskiy, and M. I. Sokolova. Study of Physicochemical Changes Occurring in Organic Media Under the Effect of Electrical Discharges 14

Poteyev, M. K. Effect of the Condition of the Interelectrode Space on the Performance of the Spark Process, the Wear of the Machining Electrode, the Purity of the Surface Obtained, and the Precision of the Machining 25

Adoyan, A. O. Electrostatic Method of Purifying Dielectric Liquids from Products of Spark Machining 36

Lazarenko, B. R., and M. I. Lazarenko. Electric-Spark Method of Perforating Diamonds 51

Zelotiykh, B. N., K. Kh. Gloyev, and Ye. A. Tarasov. Concerning the Mechanism of Electrical Erosion of Metal in a Liquid Dielectric Medium 59

PHASE I BOOK EXPLOITATION

SOV/5186

Akademiya nauk SSSR. Teentral'naya nauchno-issledovatel'skaya laboratoriya elektricheskoy obrabotki materialov

Problemy elektricheskoy obrabotki materialov (Problems of the Electrical Machining of Materials) Moscow, Izd-vo AN SSSR, 1960. 247 p. Krata slip inserted. 4,200 copies printed. (Series: Ita: Trudy)

Sponsoring Agency: Akademiya nauk SSSR. Resp. Ed.: B. R. Lazarenko; Ed. of Publishing House: M. L. Podgoretskiy; Tech. Ed.: S. P. Golub.

PURPOSE: This collection of articles is intended for scientists and technicians concerned with the investigation of new ways of applying electrical energy.

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Problems of the Electrical (Cont.)

SOV/5186

laboratoriya elektricheskoy obrabotki materialov Akademiya nauk SSSR (Tsentral'naya nauchno-issledovatel'skaya laboratoriya elektricheskoy obrabotki materialov AN SSSR) (Central Scientific Research Laboratory for the Electrical Machining of Materials of the AN SSSR) in searching for new applications of electrical energy. The results of these studies include: the dimensional machining of dielectrics and the utilization of electric pulsed discharges in carrying out certain chemical reactions, new information on processes occurring on electrodes and in the interelectrode space during short pulsing, machining by electric current pulses. Much attention is paid to the analysis of the operation of power-supply sources used in the electrical machining and art welding of metals. No normalizations are mentioned. References accompany most Systems of Spark Installations

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Kruglov, A. I. Requirements of Generators and Generator Circuits for Electric Spark Machining of Metals With a Capacitive Energy-Storing Device

152

Shchitova, V. M., Ye. I. Slepukhin, and E. M. Chelomilov. Investigation of Automatic Control Systems and Power Supply Sources During Electrical-Erosion Cutting of Metals by a Disk Electrode

189

Adoyan, A. G. and V. M. Kolesnikov. Investigation of Relaxation-Generator Circuits for the Power Supply of Spark Installations

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Zolotarev, B. M. Concerning the Computation of the Technological Characteristics of a Dimensional Electric-Spark Card 5/6

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Machining Process of Current-Carrying Materials

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Morzhes, A. S., and A. V. Plachunov. Some Technological Data on the Operation of a Machine Pulse-Generator During the Machining of Special Alloys

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Lazarenko, B. R. Universal Laboratory Stand

244

AVAILABLE: Library of Congress

Card 6/6

JP/dty/ec
5-25-61

S/196/61/000/009/047/052
E194/E155

AUTHOR: Adoyan, A.G.

TITLE: An electrostatic method of removing spark machining products from dielectric fluids

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.9, 1961, 41-42, abstract 9K 308. (Sb. Probl. elektr. obrabotki materialov, M., AN SSSR, 1960, 36-50)

TEXT: A laboratory model electrostatic filter has been developed, made and subjected to preliminary tests. It is intended for purifying kerosine mixture at a rate of 2 litres/min by applying an electrical stress of 6 - 7 kV/cm between plane parallel electrodes. The supply is taken from a standard rectifier as used in television receivers which gives an output voltage that can be controlled in the range 0 - 15 kV. The filter should be provided with arrangements for continuous or periodic removal of trapped particles. Graphs and sketches are given which characterise the operating principles of the electrical filter. 20 literature references.

[Abstractor's note: Complete translation.]

Card 1/1

S/196/61/000/010/033/037
E194/E155

AUTHORS: Adoyan, A.G., and Kolesnikov, V.M.
TITLE: An investigation of transient processes in impulse generators of R, L, C spark machining equipment
PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1961, 42, abstract IOK 242. (Symposium "Problems of electrical machining of materials", M., AS USSR, 1960, 215-220)
TEXT: In selecting the optimum parameters (R, L, C) of the main electrical circuit of equipment with relaxation generators, allowance should be made for the component of current from the power source in the total current of the spark discharge. This is of vital influence in the process of formation of electrical impulses by the generator. It is obvious that at the end of the discharge there is in the generator a certain critical (instantaneous) value of this current component, and if it is exceeded the impulses will break down and there will be steady arc discharge. From the investigation, equations are derived
Card 1/2

ADOYAN, G.A.; GINI, E.Ch.

Hardening of grey cast iron. Lit. proizv. no.12:34-35 D '64.
(MIRA 18:3)

ADOYAN, A.R.

Establishing perennial cultivated pastures. Zemledelie 4 no.6:
84-95 Je '56. (MLRA 9:8)

1. Iygevaskaya gosselektantsiya.
(Estonia--Pastures and meadows)

ADCOYAN, I. N.

Adoyan, I. N.

"Experimental Investigation of Automobile Hydromechanical Transmissions with Internal-Combustion Engines with Stabilized and Unstabilized Systems of Operation." Min Higher Education USSR. Leningrad Polytechnic Inst. imeni M. I. Kalinin. Leningrad, 1955. (Dissertation for the degree of Candidate in Technical Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

ADOYAN, I.N.; KRYUKOV, A.D.

Experimental investigation of the characteristics of "double"
hydromechanical transmissions during steady-state and unsteady
operating conditions. Trudy LPI no.187:173-183 '56. (MIRA 13:6)
(Hydraulic transmission)

ADOYAN, I.N.

Joint operation of a hydraulic transmission with the engine.

Izv. AN Arm. SSR. Ser. tekhn. nauk 16 no.6:64-69 '63.

(MIRA 17:1)

1. Yerevanskiy gosudarstvennyy universitet.

ADOYAN, I.N.

Study of the dimensionless characteristics of hydromechanical
transmission systems. Izv. AN Arm. SSR. Ser. tekhn. nauk. 17
no. 5: 77-80 '64. (MIRA 18:4)

1. Yerevanskiy gosudarstvennyy universitet.

ADRAKHOVSKIY, I.

The men in our section. Mast. ugl. 4 no. 7:15-16 J1'55. (MIRA 8:10)

1. Mashinist vrubovoy mashiny shakhty no. 7-7-bis (Voroshilovgrad-
skaya oblast')
(Voroshilovgrad Province--Coal miners)

ADRAMENKO, I.A.; YAVORSKIY, I.A.

Behavior of germanium during the thermal processing of coals and
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